

F-Li

L82 ANSWER 74 OF 74 HCAPLUS COPYRIGHT 2008 ACS on STN

AN 1983:602409 HCAPLUS Full-text

DN 99:202409

OREF 99:31037a,31040a

TI Lithium solid electrolyte battery

PA Toshiba Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 58075779	A	19830507	JP 1981-172927	19811030 <--
PRAI	JP 1981-172927		19811030	<--	
AB	A thin Li solid electrolyte battery comprises a Li anode, a thin film solid electrolyte layer obtained by incorporating ≥ 1 selected from LiClO ₄ , LiF, LiCl, Li ₂ CrO ₄ , LiAlCl ₄ , LiBF ₄ , and LiPF ₆ 1-50 mol% to a resin selected from poly(vinylidene fluoride), vinylidene fluoride-CHClCCl ₂ polymer, vinylidene fluoride-CHFClF ₂ polymer, vinylidene fluoride-C ₂ F ₄ polymer, polyacrylonitrile, poly(Me methacrylate), poly(vinyl chloride), poly(vinyl acetate), and poly(vinylpyrrolidone), and a cathode containing as active material ≥ 1 compds. selected from TiS ₂ , FeS ₂ , VS ₂ , MoS ₂ , NiPS ₃ , FePSe ₃ , CoO ₂ containing small amts. of Li, V ₂ O ₅ , MoO ₃ , WO ₃ , Bi ₂ O ₅ , Cu ₂ S, MoS ₃ , PbI ₂ , BiI ₃ , and SbI ₃ . The low cost battery has a stable open-circuit voltage over a long period of time.				
IC	H01M0006-18				
CC	72-3 (Electrochemistry)				
	Section cross-reference(s): 52				
ST	lithium solid electrolyte battery				
IT	Batteries, primary				
	(lithium, solid-electrolyte)				
IT	7439-93-2, uses and miscellaneous				
	RL: USES (Uses)				
	(anodes, in solid-electrolyte batteries)				
IT	1304-76-3, uses and miscellaneous 1313-27-5, uses and miscellaneous				
	1314-35-8, uses and miscellaneous 1314-62-1, uses and miscellaneous				
	1317-33-5, uses and miscellaneous 1317-40-4 7787-64-6 7790-44-5				
	10101-63-0 12033-29-3 12039-13-3 12068-85-8 12166-28-8				
	20642-13-1 21906-52-5				
	RL: DEV (Device component use); USES (Uses)				
	(cathodes containing, for lithium batteries)				
IT	12017-00-4				
	RL: PRP (Properties)				
	(cathodes, containing lithium, for lithium batteries)				
IT	7447-41-8, uses and miscellaneous 7789-24-4, uses and miscellaneous				
	RL: USES (Uses)				
	(electrolyte, lithium solid-electrolyte batteries)				
IT	553-91-3 7791-03-9 14024-11-4 14283-07-9 21324-40-3				
	RL: PRP (Properties)				
	(electrolyte, lithium solid-electrolyte batteries)				

IT 9002-86-2 9003-20-7 9003-39-8 9011-14-7 24937-79-9
 25014-41-9 25684-76-8 28960-88-5 87465-25-6
 RL: PRP (Properties)
 (solid electrolyte containing, for lithium batteries)
 IT 7789-24-4, uses and miscellaneous
 RL: USES (Uses)
 (electrolyte, lithium solid-electrolyte
 batteries)
 RN 7789-24-4 HCAPLUS
 CN Lithium fluoride (LiF) (CA INDEX NAME)

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IT 9002-86-2 24937-79-9 25014-41-9
 RL: PRP (Properties)
 (solid electrolyte containing, for lithium batteries)
 RN 9002-86-2 HCAPLUS
 CN Ethene, chloro-, homopolymer (CA INDEX NAME)

 CM 1

 CRN 75-01-4
 CMF C2 H3 Cl

H₂C=CH—Cl

RN 24937-79-9 HCAPLUS
 CN Ethene, 1,1-difluoro-, homopolymer (CA INDEX NAME)

 CM 1

 CRN 75-38-7
 CMF C2 H2 F2

$$\begin{array}{c} \text{CH}_2 \\ \parallel \\ \text{F}-\text{C}-\text{F} \end{array}$$

RN 25014-41-9 HCAPLUS
 CN 2-Propenenitrile, homopolymer (CA INDEX NAME)

 CM 1

 CRN 107-13-1
 CMF C3 H3 N

H₂C=CH—C≡N